Federal Communications Commission Wireless Telecommunications Bureau

Grayson Wireless

November 20, 2001

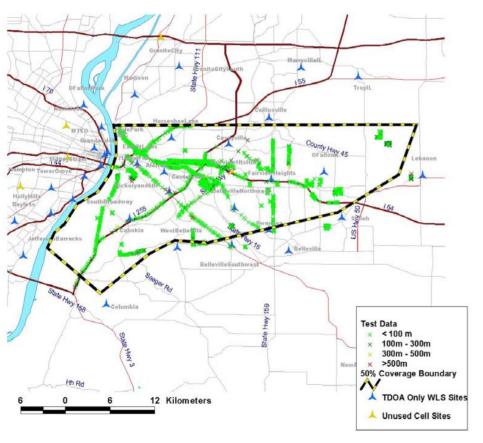
- Geometrix[®] Now In Commercial Service
 - Nation's First Two E911 Phase II Systems
 - Network-Based (Locates Existing Handsets)
 - Accuracy Better Than FCC Requirements







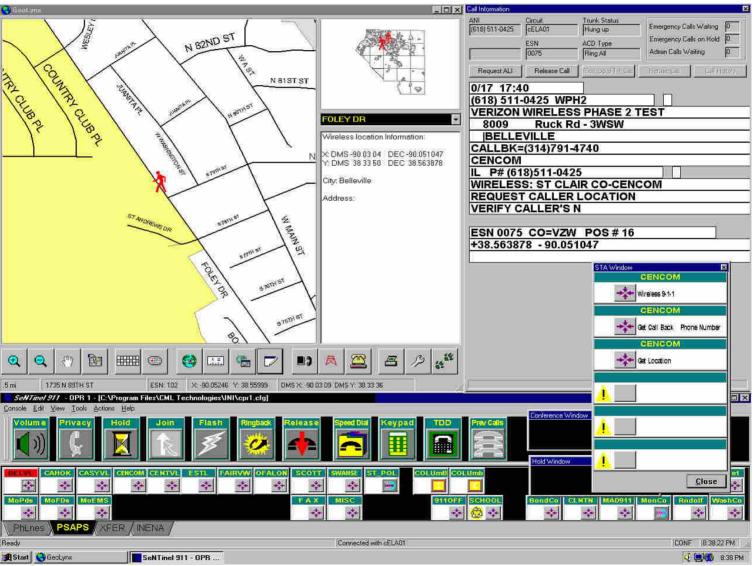
Geometrix® Wireless Location System St. Clair County, Illinois



- First E911 Phase II Service in U.S.
 - In-Service Since 10/22/01
- CDMA and AMPS
- St. Clair PSAP
- 39 Cell Sites Equipped With Geometrix[®]
- Existing Cell Site Antennas
- Accuracy Better Than Phase II Requirements



Wireless E911 Location - St. Clair, IL PSAP





First In-Service Geometrix® System St. Clair County, Illinois

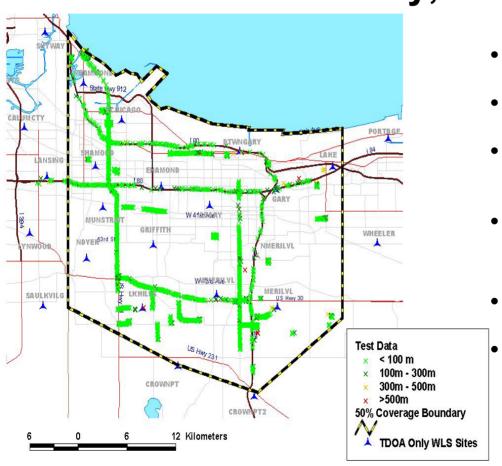
Accuracy Test Results

Environment	67 th Percentile Statistic	95 th Percentile Statistic	Locations
Urban	Not Applicable	Not Applicable	Not Applicable
Suburban	56.9 m	186.9 m	1320
Rural	55.1 m	98.6 m	1317
Highway	44.6 m	101.9 m	633
PSAP Selected	53.6 m	131.6 m	333

All Environments	67 th Percentile	95 th Percentile
(3,600 Fixes)	53.2 m	132.3 m



Geometrix® Wireless Location System Lake County, Indiana



- In-Service Since 11/5/01
- CDMA and AMPS
- Lake County PSAP (Includes Gary, IN)
- 31 Cell Sites Equipped With Geometrix®
- Existing Cell Site Antennas
- Accuracy Better Than Phase
 II Requirements



Second In-Service Geometrix® System Lake County, Indiana

Accuracy Test Results

riodalady i dot i todalio					
Environment	67 th Percentile Statistic	95 th Percentile Statistic	Locations		
Urban	59.4 m	122.8 m	1143		
Suburban	46.6 m	98.6 m	1114		
Rural	46.5 m	91.0 m	1691		
Highway	50.0 m	111.6 m	1625		



Initial Service Implementations

- First E911 Phase II Compliant Systems in Service
 - In-Service October 22 in St. Clair County, IL
 - In-Service November 5 in Lake County, IN
- Systems Installed, Prepared and Tested in Less Than 60 Days
- Both Systems Substantially Bettered FCC
 Accuracy Requirements in <u>ALL</u> Environments
 - Within 51 Meters on 67% of Locations
 - Within 117 Meters on 95% of Locations
 - Testing Followed CDG Test Plan (160 Scenarios; >9,000 Test Fixes)